

CLAIMS

1. A watch movement comprising an annular frame (10),
of external diameter \underline{D} , provided with a round
5 central opening (48) defined by an internal diameter
 \underline{d} and, borne by said frame:
 - an energy source (16),
 - a time base (18),
 - a counting device (20) actuated in synchronization
10 with the time base (18),
 - a work train (26) actuated by said device (20),
 - a motion work train (34), arranged to bear analog
time display means (40, 44), and
 - correcting means (46, 50, 56, 58) for the display
15 means (40, 44),characterized in that the motion work train (34)
comprises a motion work mobile (36) containing a
wheel (36a) and a pinion (36b), a cannon pinion (38)
driven by the motion work wheel (36a) and intended
20 to bear a minute hand (40), and an hour wheel (42)
driven by the motion work pinion (36b) and intended
to bear an hour hand (44), in that the cannon pinion
(38) and the hour wheel (42) are concentric to the
frame (10) and have a central opening substantially
25 equal to \underline{d} , and in that the motion work wheel (36a)
has a diameter slightly less than $(D-d)/2$.
2. The movement as claimed in claim 1, characterized in
that the work train contains a first mobile (28)
30 provided with a spindle (28c) on which the motion
work mobile (36) is friction-mounted.
3. The movement as claimed in one of claims 1 and 2,
characterized in that the correcting means (46, 50,
35 56, 58) for the display means comprise at least one

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gear (58) mating directly with said cannon pinion (38).

4. The movement as claimed in one of claims 1 to 3, characterized in that the mobiles of the work train (26) have their rotation axes substantially disposed on a circle (C) of diameter equal to $(D+d)/2$.
5. The movement as claimed in claim 4, characterized in that the energy source is mechanical, formed by a barrel (16), the time base is a balance (18), the counting device is an escapement (20), the barrel (16) and the balance (20) pivoting on axes substantially disposed on said circle (C).
6. The movement as claimed in one of claims 1 to 5, characterized in that it additionally comprises date-display means (72), disposed on the side opposite the dial, comprising two display disks, one for tens (74), the other for units (76), the date appearing in said opening (48).
7. The movement as claimed in one of claims 1 to 6, characterized in that the cannon pinion (38) and the hour wheel (42) each comprises a tubular portion (38a, 42a), engaged one within the other, the tubular portion (38a) of the cannon pinion being positioned in the central opening (48) such as to be able to rotate freely therein.
8. The movement as claimed in claim 7, characterized in that the motion work mobile (36) and the toothings of the cannon pinion (38) and of the hour wheel (42) are disposed on the bottom side of the frame, the

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tubular portion (38a) of the cannon pinion is defined by an internal diameter and by an external diameter, its external diameter being slightly less than d , so allowing it to rotate freely in said opening (48), and in that the tubular portion (42a) of the hour wheel is defined by an external diameter slightly less than the internal diameter of the tubular portion (38a) of the cannon pinion, such that the hour wheel (42) can rotate freely therein.

9. The movement as claimed in claim 8, characterized in that the tubular portion (42a) of the hour wheel serves as accommodation for an object.

10. The movement as claimed in claim 7, characterized in that the motion work mobile (36) and the toothings of the cannon pinion (38) and of the hour wheel (42) are disposed on the dial side of the frame (10), the tubular portion (38a) of the cannon pinion is defined by its external diameter, a first part of which is engaged in said opening (48), the external diameter being slightly less than d , so allowing it to rotate freely therein, and a second part of which, disposed outside the opening, is intended to bear the minute hand (40) and has the hour wheel (42) engaged on it.

11. The movement as claimed in claim 10, characterized in that the tubular portion (42a) of the hour wheel serves as accommodation for an object.

12. The movement as claimed in one of claims 9 and 11, characterized in that said object is chosen from

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amongst a lens (70), a precious stone (66) and a
compass (64).

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